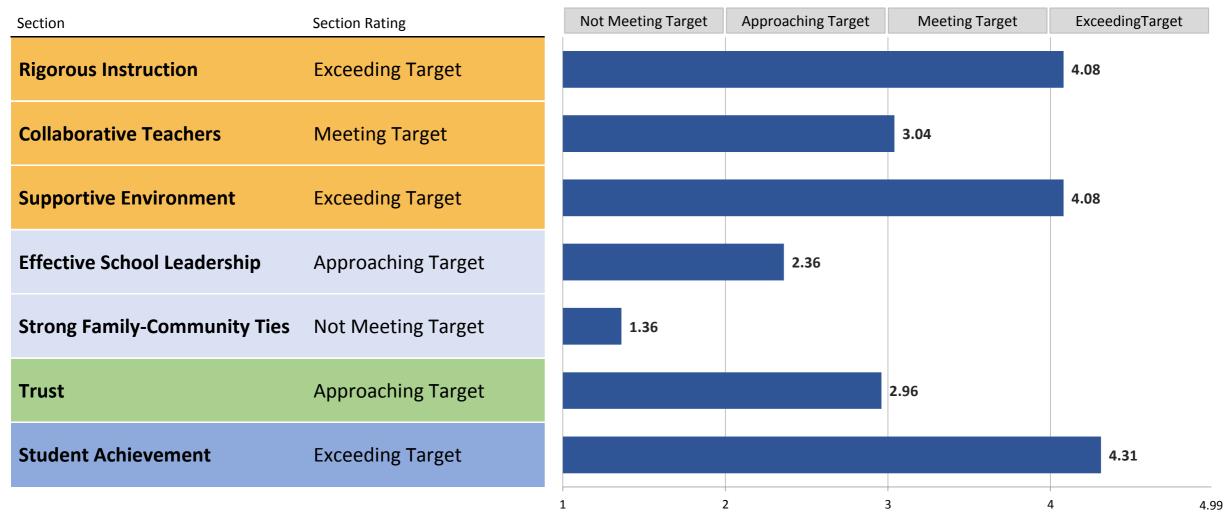
Summary of Section Ratings

Framework for Great Schools

The Framework consists of six elements—Rigorous Instruction, Collaborative Teachers, Supportive Environment, Effective School Leadership, Strong Family-Community Ties, and Trust—that drive Student Achievement. The School Quality Guide shares ratings and data on each of the Framework elements, based on information from Quality Reviews, the NYC School Survey, student attendance, and movement of students with disabilities to less restrictive environments. The School Quality Guide also shares ratings and data on Student Achievement based on a variety of quantitative measures of student growth and performance.



Section scores are on a scale from 1.00 - 4.99. The first digit corresponds to the section rating, and the additional digits show how close the school was to the next rating level.

State Accountability Status: Reward

This designation is determined by the New York State Department of Education. More information on New York State accountability can be found at: http://schools.nyc.gov/Accountability/tools/accountability/default.htm

Note

In addition, an online version of the 2014-15 School Quality Guide, with additional features, can be found at http://schoolgualityreports.nyc

2014-15 School Quality Guide / HS

School Enrollment and Demographic Data

Student Enrollment

Grade	2012 - 2013	2013 - 2014	2014 - 2015
Grade 9	1437	1375	1363
Grade 10	1465	1413	1359
Grade 11	1259	1368	1393
Grade 12	1290	1302	1332
All students	5451	5458	5447

Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	0%	0%	0%
% Free Lunch Eligible	49%	49%	51%
% Student with IEPs	1%	2%	3%
% Student with IEPs (less than 20% time)	0%	0%	0%
% Overage Under-credited	0%	0%	0%
% HRA Eligible	-	-	30%
% Temporary Housing	-		2%
% Asian	60%	61%	61%
% Black	9%	8%	8%
% Hispanic	8%	8%	8%
% White	20%	20%	20%
% Other	0%	3%	4%
Average Incoming ELA Proficiency	3.54	3.69	3.70
Average Incoming Math Proficiency	4.11	3.86	3.88

13K430 Brooklyn Technical High School

Student Achievement Rating Student Achievement Score

Exceeding Target 4.31

			2014-15 Targets			}				
	Student Achievement Metrics		2014-15		Approaching	Meeting	Exceeding	Top of		
		n	School Value	Target Range	Target	Target	Target	Target Range	Metric Score	Weight Pct
	Credit Accumulation									
•	Percent of Students Earning 10+ Credits in 1st Year	1355	98.1%	82.8%	92.8%	94.9%	96.9%	100.0%	4.39	4.17%
•	Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	421	96.0%	69.0%	84.4%	89.0%	93.3%	100.0%	4.40	4.17%
•	Percent of Students Earning 10+ Credits in 2nd Year	1358	97.1%	77.6%	89.4%	92.5%	95.4%	100.0%	4.37	4.17%
•	Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	426	95.1%	61.7%	79.0%	85.1%	90.9%	100.0%	4.46	4.17%
•	Percent of Students Earning 10+ Credits in 3rd Year	1384	94.7%	69.8%	82.1%	87.3%	92.3%	100.0%	4.31	4.17%
•	Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	440	90.5%	57.0%	74.6%	82.0%	88.9%	99.7%	4.15	4.17%
	Regents Performance									
•	Average Completion Rate for Remaining Regents	2151	97.2%	62.5%	81.7%	87.0%	91.9%	98.9%	4.76	4.17%
	Weighted Regents Pass Rate - ELA	1169	1.23	0.66	0.94	1.13	1.32	1.61	3.53	4.17%
	Weighted Regents Pass Rate - Math	3612	1.22	0.90	1.15	1.26	1.36	1.54	2.64	4.17%
•	Weighted Regents Pass Rate - Science	3711	1.51	0.36	1.17	1.75	2.31	3.40	4.00	4.17%
•	Weighted Regents Pass Rate - Global History	1341	1.21	0.67	0.92	1.07	1.20	1.41	4.05	4.17%
•	Weighted Regents Pass Rate - U.S. History	1345	1.38	0.73	0.99	1.15	1.31	1.54	4.30	4.17%
	Graduation / Diploma									
•	4-Year Graduation Rate	1329	97.4%	77.6%	91.7%	94.9%	97.2%	100.0%	4.07	6.25%
•	6-Year Graduation Rate	1300	98.6%	82.4%	93.0%	95.7%	97.7%	100.0%	4.39	6.25%
•	4-Year Weighted Diploma Rate	1329	277.6%	171.7%	215.8%	251.5%	276.8%	304.2%	4.03	6.25%
	6-Year Weighted Diploma Rate	1300	273.1%	169.8%	211.1%	248.2%	274.4%	303.1%	3.95	6.25%
	College and Career Readiness									
•	College and Career Preparatory Course Index	1329	99.5%	48.2%	64.4%	75.9%	85.4%	93.8%	4.99	5.00%
•	4-Year College Readiness Index	1329	97.2%	40.0%	50.3%	63.6%	74.4%	87.0%	4.99	5.00%
•	6-Year College Readiness Index with Persistence	1300	98.4%	58.4%	76.2%	84.4%	91.2%	97.7%	4.99	5.00%
•	Postsecondary Enrollment Rate - 6 Months	1299	96.2%	58.5%	74.7%	83.5%	90.7%	98.1%	4.74	5.00%
•	Postsecondary Enrollment Rate - 18 Months	1300	97.2%	66.1%	80.1%	87.1%	92.9%	99.1%	4.69	5.00%
									Weighted Average Score	4.31

						2	014-15 Target	S	<u>_</u>			
Closing the Achievement Gap (CtAG) Metrics		2014-15 School	•		Bottom of	Approaching	Meeting	Exceeding	Top of		Extra Points	Extra Points
	n	Population %	of Range	School Value	Target Range	Target	Target	Target	Target Range	Metric Score	Possible	Earned
Four-Year Weighted Diploma Rate												
English Language Learners	13	1.0%	1.8%	353.8%	25.9%	103.0%	163.9%	225.7%	320.1%		0.036	0.000
Self-Contained / ICT / SETSS	10	0.8%	2.0%	300.0%	0.0%	110.0%	197.0%	285.2%	420.0%		0.036	0.000
Lowest Third Citywide		0.0%	0.0%		0.0%	71.2%	127.5%	184.6%	271.8%		0.036	0.000
Black / Hispanic Males in Lowest Third Citywide		0.0%	0.0%		0.0%	65.3%	116.9%	169.2%	249.2%		0.036	0.000
College and Career Readiness												
Students in Lowest Third Citywide, College and Career		0.0%	0.0%		0.0%	7.3%	13.0%	18.9%	27.8%		0.036	0.000
Preparatory Course Index												
Students in Lowest Third Citywide, 4-Year College Readiness		0.0%	0.0%		0.0%	1.4%	2.5%	3.7%	5.4%		0.036	0.000
Index		0.004	0.00/		0.004		20.404					0.000
Students in the Lowest Third Citywide, Postsecondary		0.0%	0.0%		0.0%	11.4%	20.4%	29.5%	43.4%		0.036	0.000
Enrollment Rate - 6 Months												
										CtAG Add	itional Points	0.00
									Overa	all Student Achie	vement Score	4.31

[•] Filled circle indicates a metric rating of Exceeding Target (and a metric score of 4.00 or higher).

[•] Empty circle indicates a metric rating of Not Meeting Target (and a metric score of 1.99 or lower).

2014-15 School Quality Reports

Framework Elements Scoring Appendix

Brooklyn Technical High School

	Metric Value	Metric Score	Weight Pct
prous Instruction			
Quality Review 1.1	Well Developed	4.99	22%
Quality Review 1.2	Well Developed	4.99	22%
Quality Review 2.2	Well Developed	4.99	22%
NYC School Survey - Rigorous Instruction	81%	2.32	34%
Section Rating: Exceeding Target	Section Score:	4.08	
aborative Teachers			
Quality Review 4.2	Proficient	3.40	50%
NYC School Survey - Collaborative Teachers	80%	2.64	50%
Section Rating: Meeting Target	Section Score:	3.04	
portive Environment			
Quality Review 3.4	Well Developed	4.99	30%
NYC School Survey - Supportive Environment	85%	3.36	35%
Percentage of students with 90%+ attendance EMS			
HS	93.6%	4.04	
Overall	93.6%	4.04	30%
Movement of students with disabilities to less restrictive environments EMS			
	0.67	3.93	
HS Overall	0.67 0.67	3.93 3.93	5%
HS			5%
HS Overall Section Rating: Exceeding Target	0.67	3.93	5%
HS Overall	0.67	3.93	100%
Section Rating: Exceeding Target ective School Leadership NYC School Survey - Effective School Leadership	0.67 Section Score: 72%	3.93 4.08 2.36	
Overall Section Rating: Exceeding Target ective School Leadership	0.67 Section Score:	3.93 4.08	
Section Rating: Exceeding Target ective School Leadership NYC School Survey - Effective School Leadership	0.67 Section Score: 72%	3.93 4.08 2.36	
Section Rating: Exceeding Target ective School Leadership NYC School Survey - Effective School Leadership Section Rating: Approaching Target	0.67 Section Score: 72%	3.93 4.08 2.36	
Section Rating: Exceeding Target ective School Leadership NYC School Survey - Effective School Leadership Section Rating: Approaching Target ong Family-Community Ties	O.67 Section Score: 72% Section Score:	3.93 4.08 2.36 2.36	100%
HS Overall Section Rating: Exceeding Target ective School Leadership NYC School Survey - Effective School Leadership Section Rating: Approaching Target ong Family-Community Ties NYC School Survey - Strong Family-Community Ties	Section Score: 72% Section Score:	3.93 4.08 2.36 2.36	100%
Section Rating: Exceeding Target cetive School Leadership NYC School Survey - Effective School Leadership Section Rating: Approaching Target ong Family-Community Ties NYC School Survey - Strong Family-Community Ties Section Rating: Not Meeting Target	Section Score: 72% Section Score: 61% Section Score:	3.93 4.08 2.36 2.36 1.36	100%
Section Rating: Exceeding Target Cotive School Leadership NYC School Survey - Effective School Leadership Section Rating: Approaching Target Ong Family-Community Ties NYC School Survey - Strong Family-Community Ties Section Rating: Not Meeting Target	Section Score: 72% Section Score:	3.93 4.08 2.36 2.36	100%



Framework Elements - Survey Scoring Appendix

Rigorous Instruction Common Core shifts in literacy Common Core shifts in math Course clarity Quality of student discussion Section Results: Collaborative Teachers Cultural awareness Combined Inclusive classroom instruction Teachers Ouality of professional development School commitment Teachers Innovation Reflective dialogue Peer collaboration Teachers Focus on student learning Teachers	77 83	Bottom of Range 76.8	City Range City Avg 89.4	Top of Range	Percent of Range	Score
Rigorous Instruction Common Core shifts in literacy Common Core shifts in math Course clarity Quality of student discussion Section Results: Collaborative Teachers Cultural awareness Combined Inclusive classroom instruction Teachers Ouality of professional development School commitment Teachers Innovation Reflective dialogue Peer collaboration Teachers Focus on student learning Teachers	77	_			reitellt of Kalige	30016
 Common Core shifts in literacy Common Core shifts in math Teachers Course clarity Quality of student discussion Teachers Section Results: Collaborative Teachers Cultural awareness Combined Inclusive classroom instruction Teachers Ouality of professional development Teachers School commitment Teachers Innovation Teachers Teachers Teachers		76.8	89 /	100.0		
Common Core shifts in math Course clarity Students Quality of student discussion Section Results: Collaborative Teachers Cultural awareness: Cultural awareness Teachers Ouality of professional development School commitment Teachers Innovation Reflective dialogue Peer collaboration Teachers Focus on student learning Teachers		70.8		100.0	0.02	1.08
Course clarity Quality of student discussion Section Results: Collaborative Teachers Cultural awareness: Cultural awareness Cultural awareness Parents Cultural awareness Inclusive classroom instruction Teachers Quality of professional development School commitment Teachers Innovation Teachers Reflective dialogue Teachers Peer collaboration Teachers Focus on student learning Teachers	83	CO 2		100.0		
Quality of student discussion Section Results: Collaborative Teachers Cultural awareness: Cultural awareness Combined Inclusive classroom instruction Teachers Quality of professional development School commitment Teachers Innovation Teachers Reflective dialogue Teachers Peer collaboration Teachers Focus on student learning Teachers	0.4	69.2	85.8	100.0	0.43	2.72
Collaborative Teachers Cultural awareness: Cultural awareness Combined Inclusive classroom instruction Teachers O Quality of professional development School commitment Teachers Innovation Teachers Reflective dialogue Teachers Peer collaboration Teachers Focus on student learning Teachers	84	77.5	86.9	96.3	0.36	2.44
Collaborative Teachers Cultural awareness: Cultural awareness Combined Inclusive classroom instruction Teachers Quality of professional development School commitment Teachers Innovation Teachers Reflective dialogue Peer collaboration Teachers Focus on student learning Teachers	78	55.8	77.8	99.8	0.51	3.04
Cultural awareness: Cultural awareness Teachers Cultural awareness Parents Cultural awareness Students Cultural awareness Combined Inclusive classroom instruction Teachers Ouality of professional development Teachers School commitment Teachers Innovation Teachers Reflective dialogue Teachers Peer collaboration Teachers Focus on student learning Teachers	81%					2.32
Cultural awareness Cultural awareness Parents Cultural awareness Students Cultural awareness Cultural awareness Cultural awareness Inclusive classroom instruction Ouality of professional development School commitment Teachers Innovation Teachers Reflective dialogue Peer collaboration Teachers Focus on student learning Teachers Teachers Teachers						
Cultural awareness Cultural awareness Students Cultural awareness Cultural awareness Cultural awareness Combined Inclusive classroom instruction Quality of professional development School commitment Teachers Innovation Reflective dialogue Peer collaboration Focus on student learning Teachers Teachers Teachers						
Cultural awareness Cultural awareness Students Cultural awareness Cultural awareness Cultural awareness Combined Inclusive classroom instruction Quality of professional development School commitment Teachers Innovation Reflective dialogue Peer collaboration Focus on student learning Teachers Teachers Teachers	91	85.4	94.4	100.0	0.50	
Cultural awareness Cultural awareness Combined Inclusive classroom instruction Ouality of professional development School commitment Innovation Innovation Reflective dialogue Peer collaboration Focus on student learning Students Teachers Teachers Teachers Teachers Teachers Teachers	90	82.3	91.9	100.0	0.50	
Cultural awareness Inclusive classroom instruction Quality of professional development School commitment Innovation Reflective dialogue Peer collaboration Focus on student learning Combined Teachers Teachers Teachers Teachers Teachers Teachers	74	66.6	80.6	94.6	0.27	
Inclusive classroom instruction Quality of professional development School commitment Innovation Reflective dialogue Peer collaboration Focus on student learning Teachers Teachers Teachers Teachers	85				0.42	2.68
 Quality of professional development School commitment Innovation Reflective dialogue Peer collaboration Focus on student learning Teachers Teachers Teachers 	89	82.7	93.1	100.0	0.36	2.44
 School commitment Innovation Reflective dialogue Peer collaboration Focus on student learning Teachers Teachers Teachers 	59	50.4	75.6	100.0	0.17	1.68
 Innovation Teachers Reflective dialogue Teachers Peer collaboration Teachers Focus on student learning Teachers 	90	53.7	82.3	100.0	0.77	4.08
Reflective dialogue Teachers Peer collaboration Teachers Focus on student learning Teachers	73	65.9	84.5	100.0	0.22	1.88
Peer collaboration Teachers Focus on student learning Teachers	94	85.1	95.3	100.0	0.60	3.40
Focus on student learning Teachers	82	75.2	90.6	100.0	0.29	2.16
-	83	60.0	85.2	100.0	0.58	3.32
Collective responsibility Teachers	69	58.1	80.7	100.0	0.25	2.00
Section Results:	80%	30.1	80.7	100.0	0.23	2.64
Section results.	0070					2.04
Supportive Environment						
Safety:						
Safety Teachers						
Safety Students	86	67.5	82.9	98.3	0.59	
Safety Combined	86				0.59	3.36
Classroom behavior:						
Classroom behavior Teachers						
Classroom behavior Students	90	68.3	82.1	95.9	0.78	
Classroom behavior	90				0.78	4.12
Social-emotional measure Teachers	96	86.6	95.2	100.0	0.75	4.00
Peer interactions Students	77	58.2	74.4	90.6	0.59	3.36
Next-level guidance Students	85	71.4	83.6	95.8	0.54	3.16
Press toward academic achievement:		, .	30.0	55.5	0.0	3.23
Press toward academic achievement Teachers						
Press toward academic achievement Students	91	76.3	86.1	95.9	0.72	
Press toward academic achievement Combined	91	70.5	55.1	55.5	0.72	3.88
Personal attention and support Students	70	69.0	81.8	94.6	0.02	1.08
Peer support for academic work:	7.0	03.0	31.0	J -1 .0	0.02	1.00
Peer support for academic work Teachers						
Peer support for academic work Parents	94	00.4			0.00	
Peer support for academic work Students		68 1	25 5	100.0	11 ×11	
Peer support for academic work Students Peer support for academic work Combined		68.1	85.5 61.6	100.0	0.80	
Section Results:	70 82	68.1 41.0	85.5 61.6	100.0 82.2	0.80 0.69 0.74	3.96

Framework Elements - Survey Scoring Appendix

		Survey % Positive	Bottom of Range	City Avg	Top of Range	Percent of Range	Score
Effective School Leadership							
-	Parents	87	76 -	88.9	100.0	0.43	2.72
Inclusive principal leadership		-	76.5				
Teacher influence	Teachers	60	40.6	71.4	100.0	0.33	2.32
Program coherence	Teachers	70	57.0	82.6	100.0	0.31	2.24
Principal instructional leadership	Teachers	70	58.2	84.6	100.0	0.29	2.16
Section Results:		72%					2.36
Strong Family Community Ties							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	81	75.2	89.0	100.0	0.21	
Teacher outreach to parents	Parents	80	76.7	88.1	99.5	0.15	
 Teacher outreach to parents 	Combined	80				0.18	1.72
 Parent involvement in the schools 	Parents	41	41.2	61.0	80.8	0.00	1.00
Section Results:		61%					1.36
Trust							
Parent-teacher trust	Parents	90	84.9	93.1	100.0	0.50	3.00
Parent-principal trust	Parents	92	84.5	93.7	100.0	0.50	3.00
Student-teacher trust	Students	79	68.5	81.1	93.7	0.41	2.64
Teacher-principal trust	Teachers	73	55.0	84.0	100.0	0.40	2.60
Teacher-teacher trust	Teachers	91	75.7	90.9	100.0	0.65	3.60
Section Results:		85%					2.96

These tables show the values needed in 2015-16 for the school to achieve a rating of Exceeding Target, Meeting Target, Approaching Target, or Not Meeting Target on each metric.

Student Achievement Metrics	2014-15	2015-16 Targets					
	School Value	Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target		
Credit Accumulation							
10+ Credits in 1st Year - All Students	98.1%	83.2% or lower	83.3% to 87.8%	87.9% to 91.1%	91.2% or higher		
10+ Credits in 1st Year - School's Lowest Third	96.0%	76.4% or lower	76.5% to 83.0%	83.1% to 87.6%	87.7% or higher		
10+ Credits in 2nd Year - All Students	97.1%	83.6% or lower	83.7% to 88.2%	88.3% to 91.3%	91.4% or higher		
10+ Credits in 2nd Year - School's Lowest Third	95.1%	77.8% or lower	77.9% to 83.9%	84.0% to 88.3%	88.4% or higher		
10+ Credits in 3rd Year - All Students	94.7%	82.2% or lower	82.3% to 87.1%	87.2% to 90.6%	90.7% or higher		
10+ Credits in 3rd Year - School's Lowest Third	90.5%	78.8% or lower	78.9% to 84.7%	84.8% to 88.8%	88.9% or higher		
Regents Performance							
Average Completion Rate for Remaining Regents	97.2%	85.7% or lower	85.8% to 89.7%	89.8% to 92.4%	92.5% or higher		
Average Regents Score - English (non-Common Core)*	88.0	79.9 or lower	80.0 to 84.9	85.0 to 89.9	90.0 or higher		
Average Regents Score - English (Common Core)*	92.0	79.9 or lower	80.0 to 84.9	85.0 to 89.9	90.0 or higher		
Average Regents Score - Living Environment*	91.0	79.9 or lower	80.0 to 84.9	85.0 to 89.8	89.9 or higher		
Average Regents Score - Global History*	92.0	79.9 or lower	80.0 to 84.9	85.0 to 89.9	90.0 or higher		
Average Regents Score - US History*	95.0	79.9 or lower	80.0 to 84.9	85.0 to 89.9	90.0 or higher		
Average Regents Score - Algebra I (Common Core)*	81.0	71.1 or lower	71.2 to 73.9	74.0 to 75.9	76.0 or higher		
Graduation / Non-Dropout							
4-Year Graduation Rate	97.4%	85.5% or lower	85.6% to 89.5%	89.6% to 92.3%	92.4% or higher		
6-Year Graduation Rate	98.6%	88.9% or lower	89.0% to 92.0%	92.1% to 94.1%	94.2% or higher		
4-Year Non-Dropout Rate	98.8%	91.3% or lower	91.4% to 93.7%	93.8% to 95.4%	95.5% or higher		
6-Year Non-Dropout Rate	98.8%	90.2% or lower	90.3% to 92.9%	93.0% to 94.8%	94.9% or higher		
College and Career Readiness							
College and Career Preparatory Course Index	99.5%	72.1% or lower	72.2% to 79.4%	79.5% to 84.6%	84.7% or higher		
4-Year College Readiness Index	97.2%	78.0% or lower	78.1% to 83.0%	83.1% to 86.6%	86.7% or higher		
6-Year College Readiness Index with Persistence	98.4%	85.3% or lower	85.4% to 89.3%	89.4% to 92.1%	92.2% or higher		
Postsecondary Enrollment Rate - 6 Months	96.2%	81.5% or lower	81.6% to 86.6%	86.7% to 90.1%	90.2% or highe		
Postsecondary Enrollment Rate - 18 Months	97.2%	86.2% or lower	86.3% to 90.0%	90.1% to 92.6%	92.7% or highe		

^{*} Because it is not possible to accurately predict who will take the Regents exams in advance, the table above provides estimated targets for the Regents score metrics. These targets will be adjusted based on the students at the school who actually take the exams.

Closing the Achievement Gap Metrics**	2014-15		2015-16	Targets	
	School Value	Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Four-Year Graduation Rate					
English Language Learners	100.0%	78.7% or lower	78.8% to 84.6%	84.7% to 88.7%	88.8% or higher
Self-Contained / ICT / SETSS	60.0%	73.3% or lower	73.4% to 80.7%	80.8% to 85.8%	85.9% or higher
Lowest Third Citywide					
Black / Hispanic Males in Lowest Third Citywide					
College and Career Readiness of Students in Lowest Third Citywide					
College and Career Preparatory Course Index					
4-Year College Readiness Index					
Postsecondary Enrollment Rate - 6 Months		31.4% or lower	31.5% to 40.1%	40.2% to 46.2%	46.3% or higher

^{**}To earn additional points from the Closing the Achievement Gap section on the 2015-16 School Quality Reports, the school must meet the targets below <u>and</u> have a population percentage (of the relevant high-need group) that is not more than one standard deviation below the citywide average.

Supportive Environment Metrics	2014-15	2015-16 Targets						
	School Value	Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target			
Percentage of Students with 90%+ Attendance	93.6%	79.7% or lower	79.8% to 85.3%	85.4% to 89.2%	89.3% or higher			
Movement of Students with Disabilities to Less Restrictive Environments	0.67	0.35 or lower	0.36 to 0.53	0.54 to 0.65	0.66 or higher			